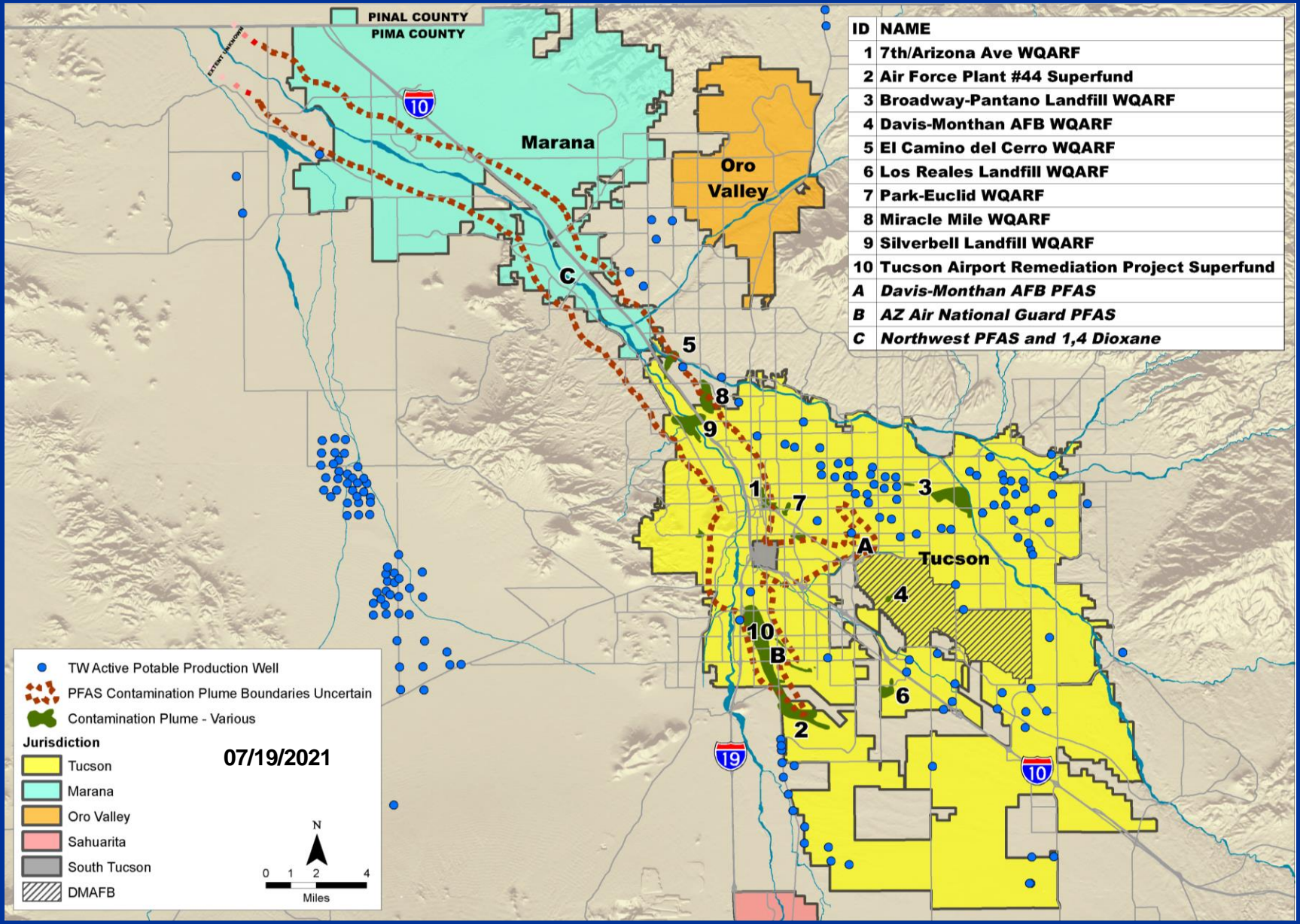


# Occurrence and Management of PFAS in the Tucson Basin

Presented by: John Kmiec, Interim Director  
Tucson Water, City of Tucson  
October 14, 2021

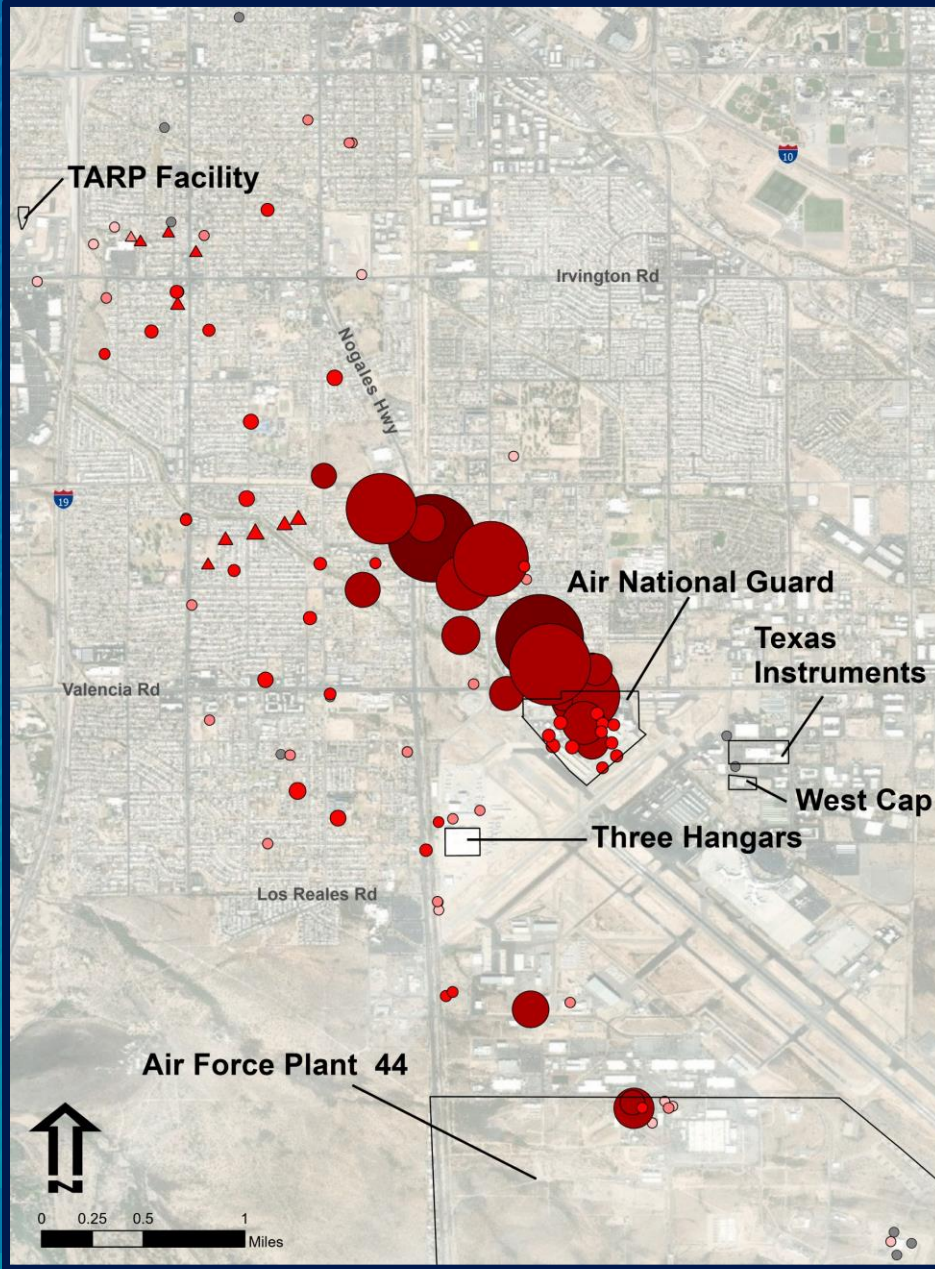


# Regional Groundwater Contamination Areas





# PFAS in Groundwater – TARP / ANG



**DRAFT**

## Select PFAS in Groundwater

TUCSON INTERNATIONAL AIRPORT AREA  
Tucson, Arizona

PFOS = perfluorooctane sulfonic acid  
PFOA = perfluorooctanoic acid  
PFHxS = perfluorohexane sulfonic acid  
PFHpA = perfluoroheptanoic acid  
ppt = parts per trillion



6/2/2021

- Non-Detect (ND)
- ND < x ≤ 10ppt
- 10 ppt < x ≤ 100 ppt
- 100 ppt < x ≤ 1000 ppt
- 1000 ppt < x ≤ 10,000 ppt
- x > 10,000 ppt
- △ TARP Extraction Well

x = concentration of PFOS+PFOA+PFHxS+ PFHpA

Symbol sizes are proportional to PFAS concentrations

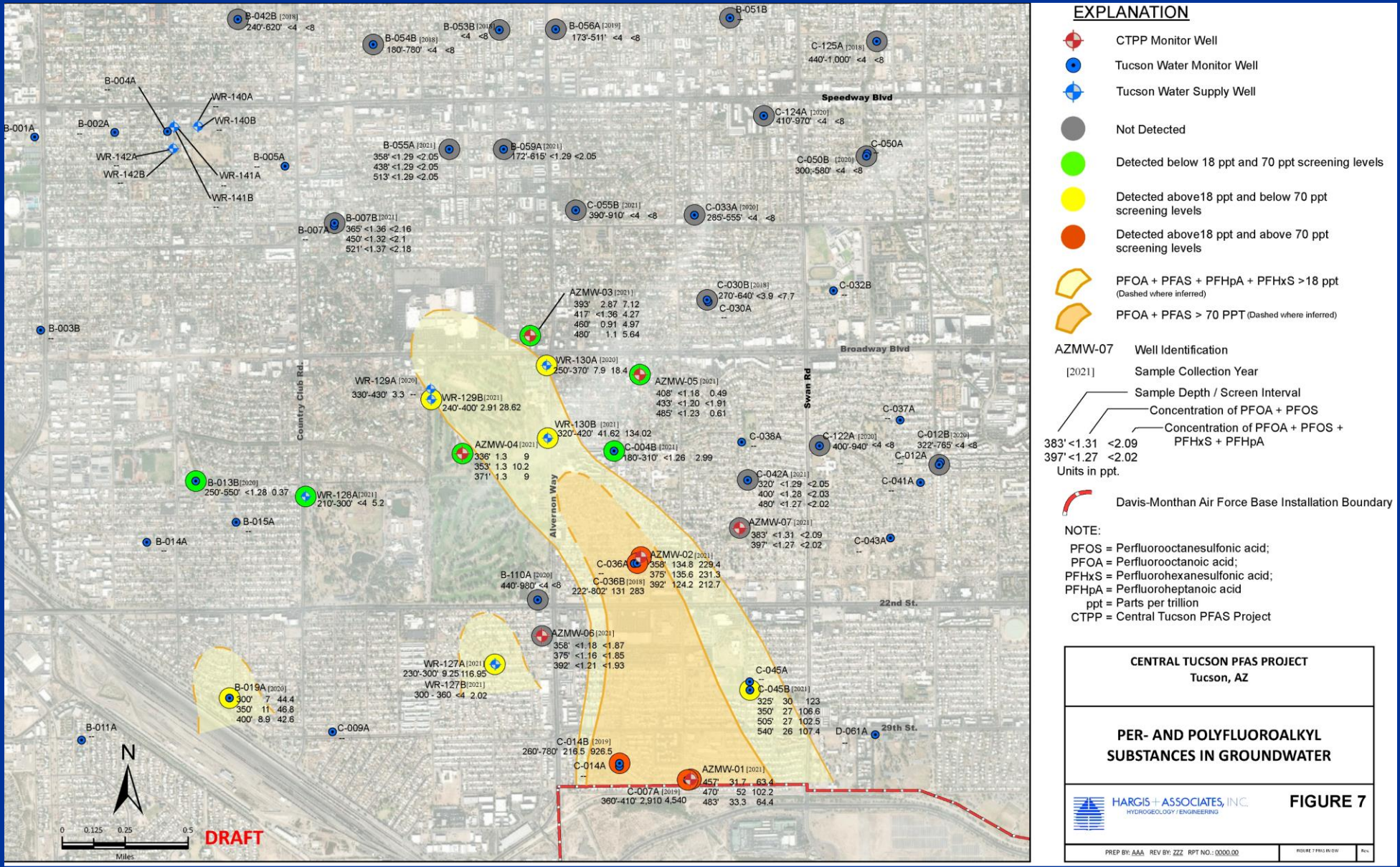
**Note:** PFAS data displayed on the map represent results of the most recent sample collected at each well. Samples were collected between March 2018 and March 2021

### References:

AECOM, 2019. *Final Site Inspection Report, Air National Guard Phase II Regional Site Inspections for Pre- and Polyfluoroalkyl Substances*. March.  
APTIM, 2020. *Final Summary of Sampling Activities for Per- and Polyfluoroalkyl Substances on Airport Property, Tucson International Airport Area Superfund Site, Tucson, AZ*. April.  
Ayuda, 2020. *Final Site Inspection Report of Aqueous Film-Forming Foam Areas at Air Force Plant 44, Tucson, Arizona*. April.  
Clear Creek Associates, 2019. *Addendum to: PFAS Sampling Near TARP, June 2019 Technical Memorandum*. November.  
Hargis, 2020. *Results of Sampling Program for PFAS in Groundwater, Tucson International Airport Area Superfund Site Vicinity, Tucson, Arizona*. January.  
Additional PFAS sampling data were provided directly to ADEQ by Tucson Water for wells in the vicinity of TARP.

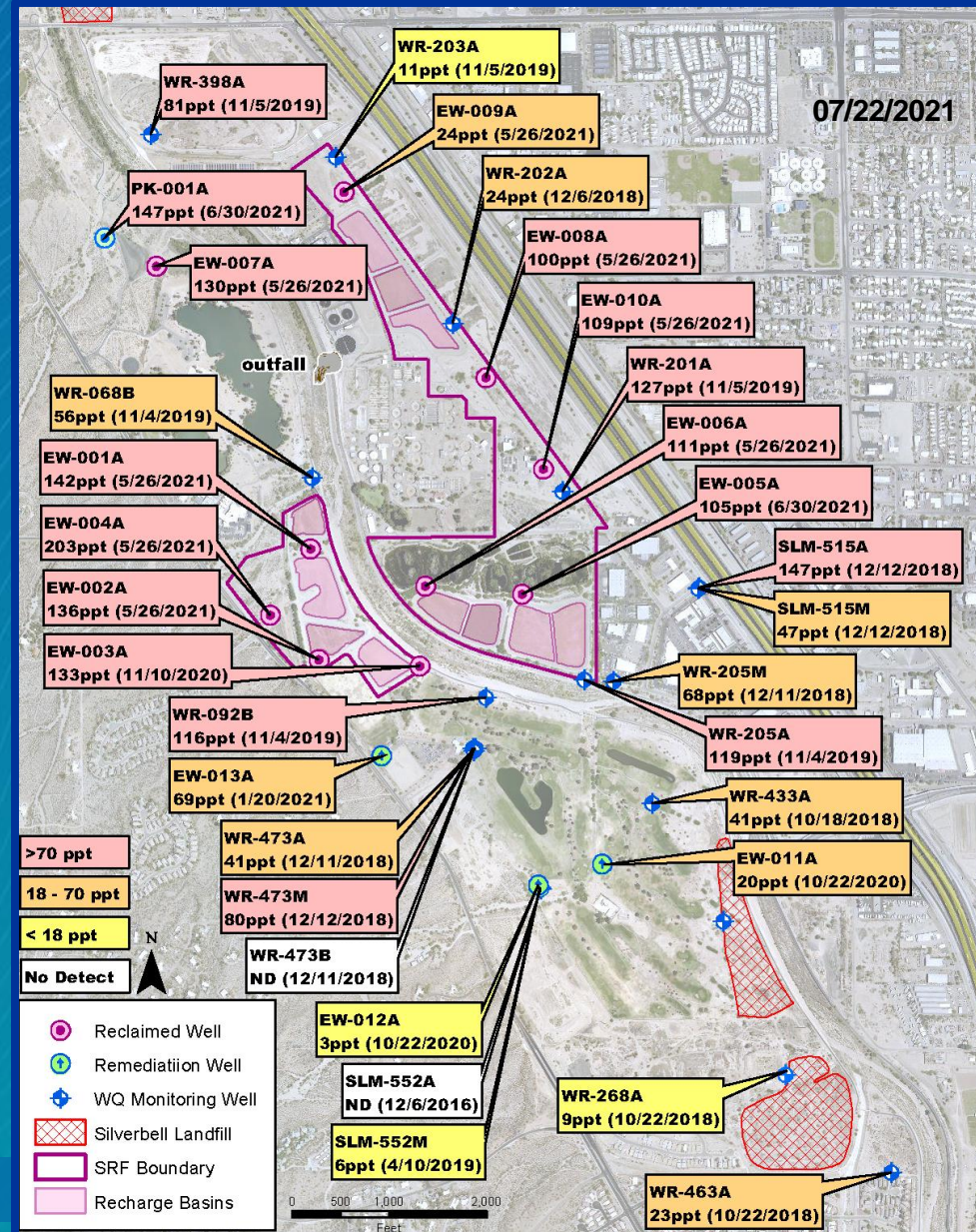


# PFAS in Groundwater – Davis-Monthan AFB



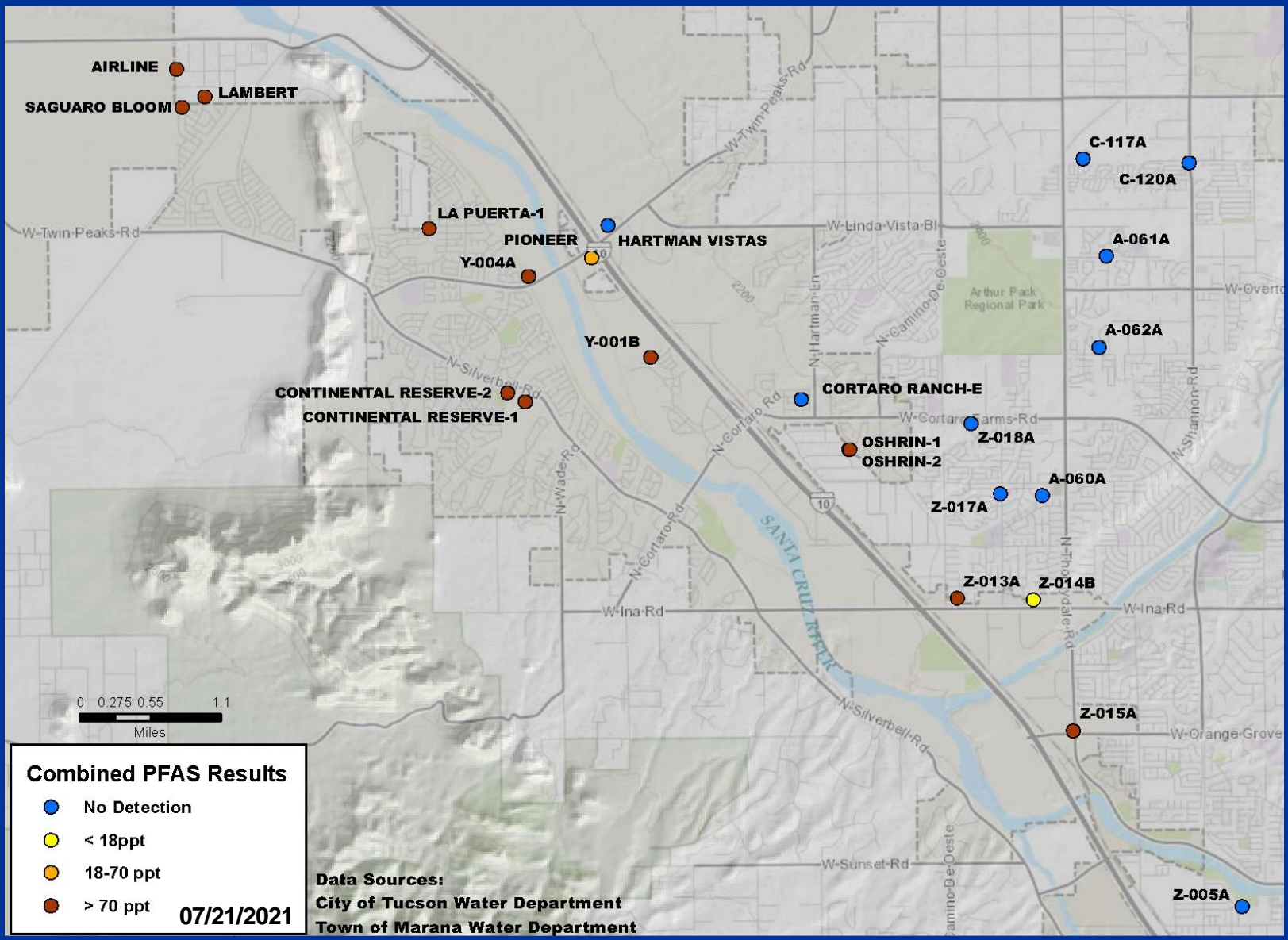


# PFAS in Groundwater – Reclaimed Water System



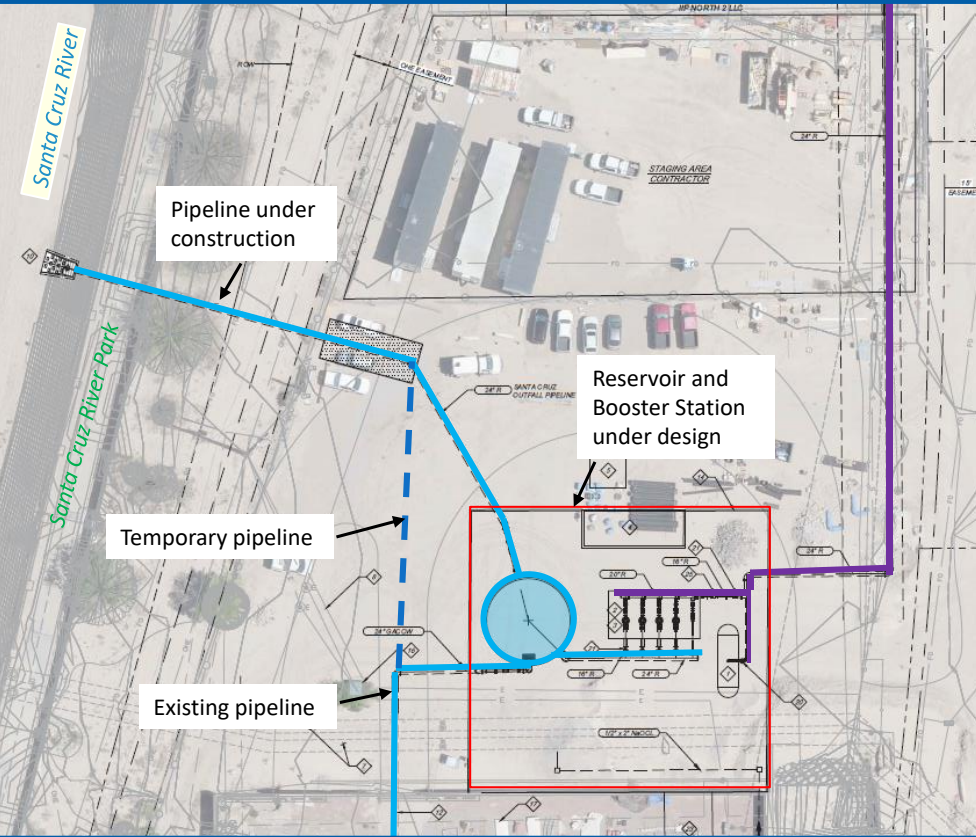


# PFAS in Groundwater - Northwest Tucson





# TARP Recycled Water System Infrastructure Project



TARP Treated Water Pipeline Route to Reclaimed Water System

DRAFT

